

PROPOSAL FOR FLUXNET SYNTHESIS PUBLICATION



Initial coordinators:: Dennis Baldocchi

Collaborators needing access to data: _____

Affiliations: University of California Berkeley

DATASET PROPOSED

LaThuile or Opened Access

TITLE OF PAPER AND OUTLINE

TITLE

How Well Does Canopy Surface Conductance Scale with Ecosystem Photosynthesis?; A test of the Ball-Berry Empirical Model and the Medlyn Optimal Model

We intend to examine the applicability of the Ball Berry stomatal conductance model at ecosystem scales by comparing G_c with the product of canopy photosynthesis times relative humidity divided by CO_2 . We will also test the newer Medlyn model which computes conductance as canopy photosynthesis divided by the produce of CO_2 times the square root of vapor pressure deficit

PROPOSED SITES TO BE INVOLVED

Sites that meet high quality of nearly complete data sets. At present working with 227 site years of data from 92 sites..

PROPOSED RULES FOR CO-AUTHORSHIP

What is requested to the PIs to be coauthor

Significant contribution to the analysis, writing, or among some of the early proponents of this idea.